

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080618\
 Data File : BG036154.D
 Acq On : 7 Aug 2018 9:11
 Operator : JU/SJ
 Sample : J4333-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3

Quant Time: Aug 07 11:01:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	32783	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	112892	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	83329	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	245157	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	253875	20.00	ng	-0.02
86) Perylene-d12	24.83	264	229955	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	276189	139.87	ng	0.00
7) Phenol-d6	7.18	99	359577	122.05	ng	-0.01
23) Nitrobenzene-d5	9.17	82	291261	107.78	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	225824	205.61	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	691040	111.10	ng	-0.02
78) Terphenyl-d14	19.99	244	1374704	119.36	ng	-0.01

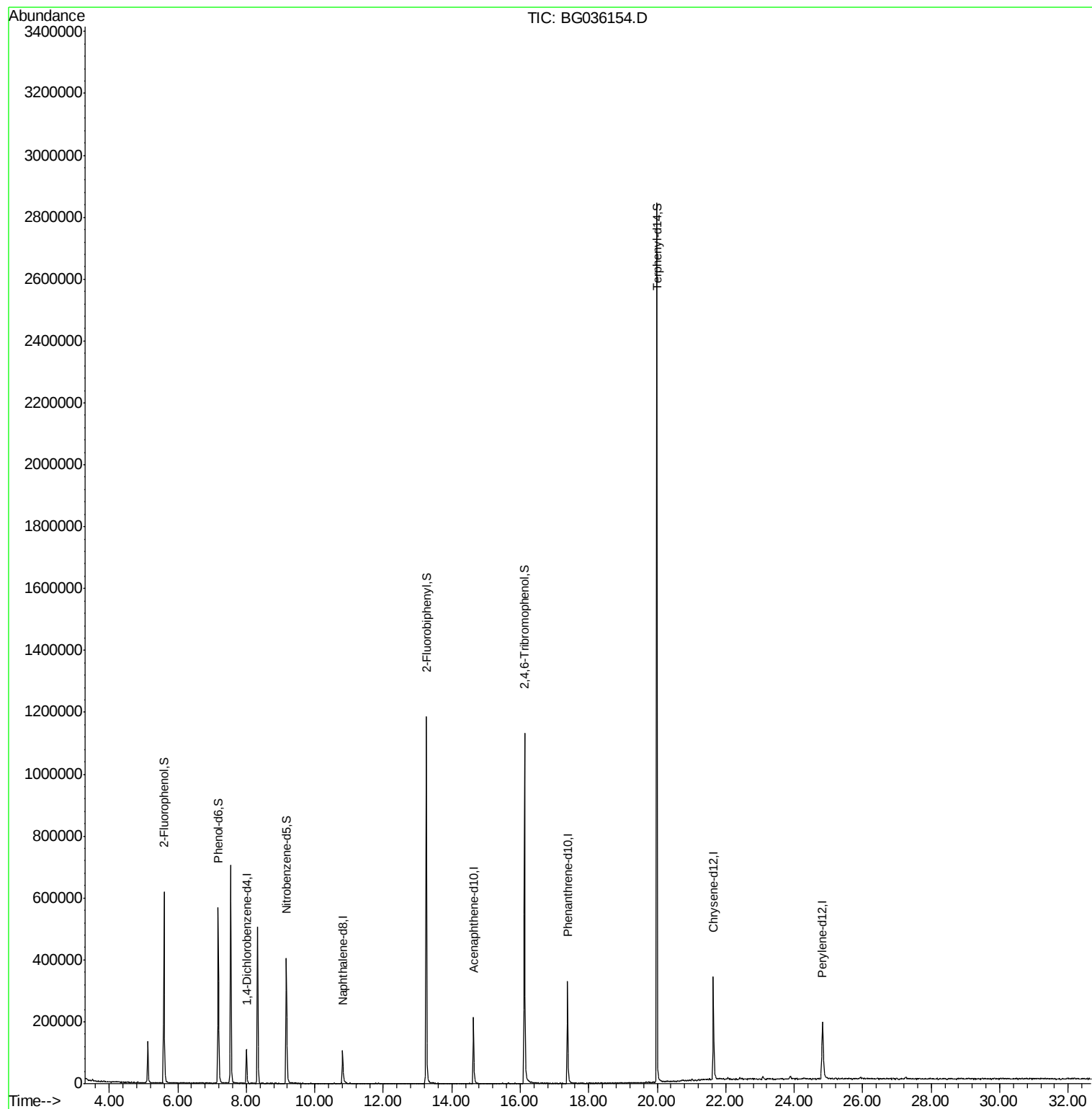
Target Compounds Qvalue

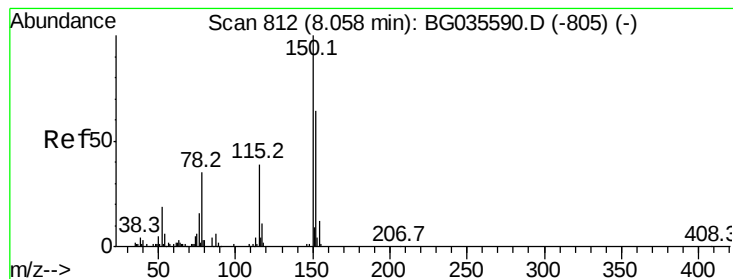
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 31 12:30:06 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.02 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

Instrument :

BNA_G

ClientSampled :

SOIL-3

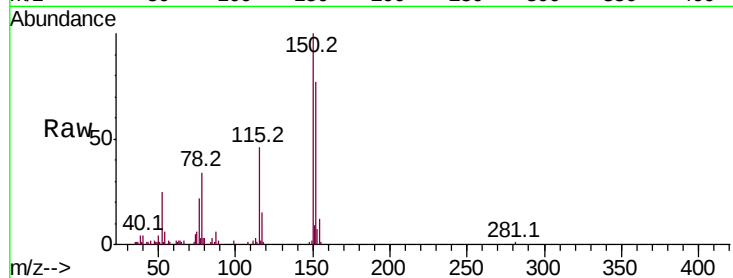
Tot Ion:152 Resp: 32783

Ion Ratio Lower Upper

152 100

150 129.5 126.6 189.8

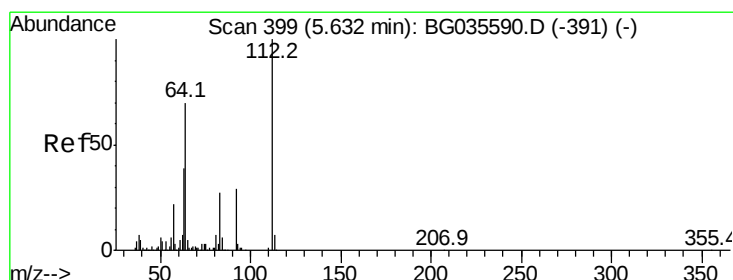
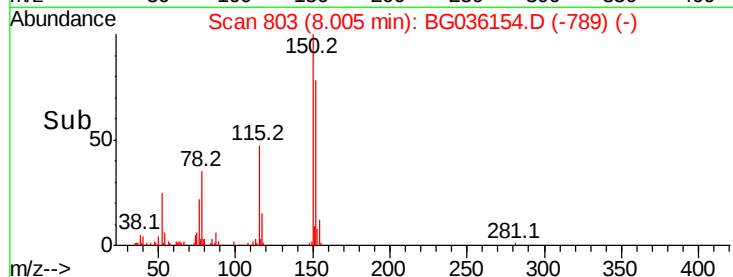
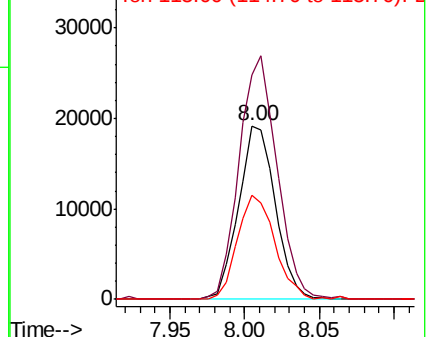
115 60.1 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 139.871 ng

RT: 5.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

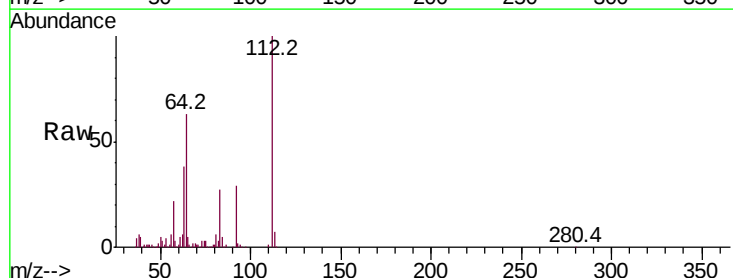
Tgt Ion:112 Resp: 276189

Ion Ratio Lower Upper

112 100

64 63.1 56.3 84.5

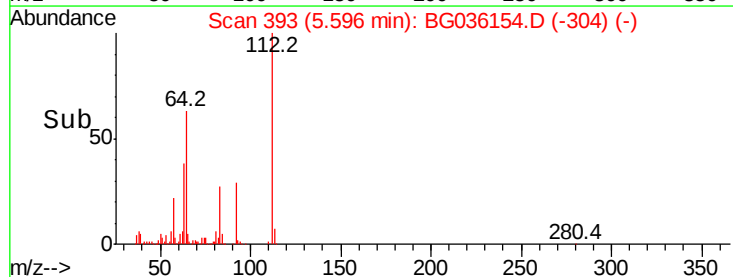
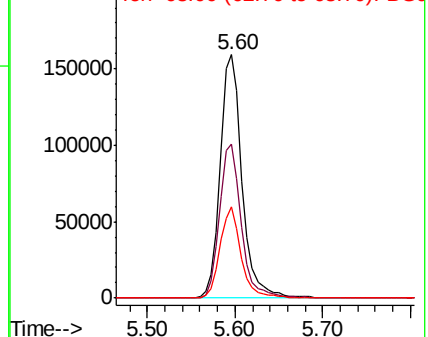
63 37.7 30.1 45.1

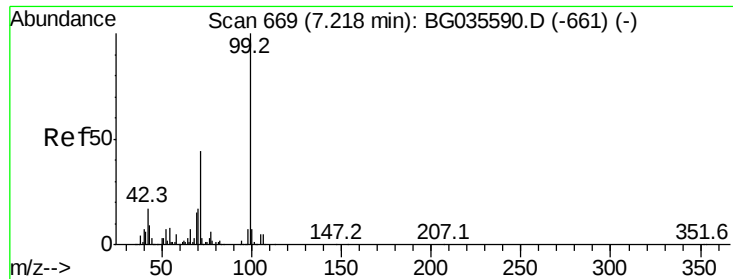


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.053 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

Instrument :

BNA_G

ClientSampleId :

SOIL-3

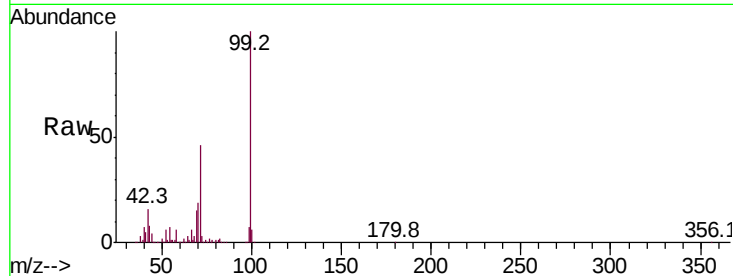
Tot Ion: 99 Resp: 359577

Ion Ratio Lower Upper

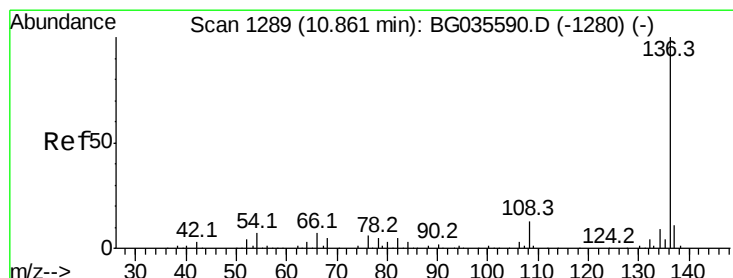
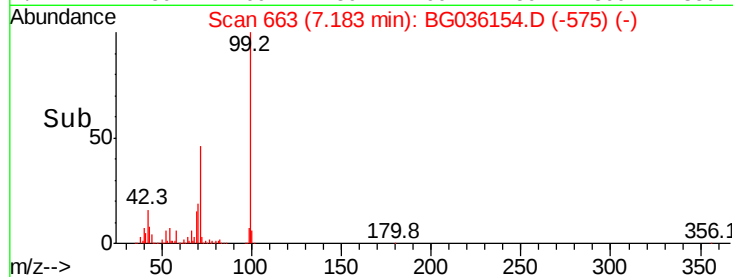
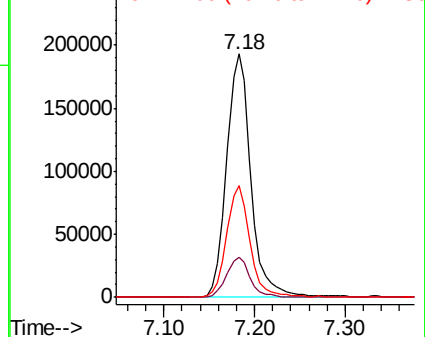
99 100

42 16.5 14.1 21.1

71 46.1 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

Tgt Ion:136 Resp: 112892

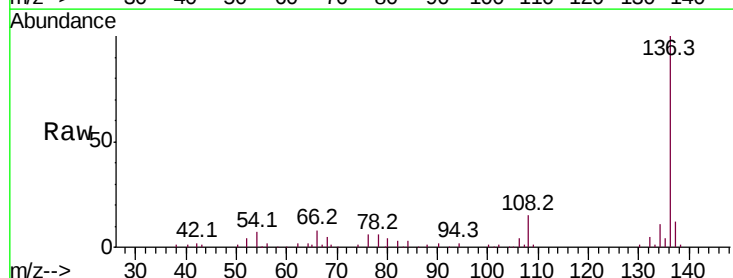
Ion Ratio Lower Upper

136 100

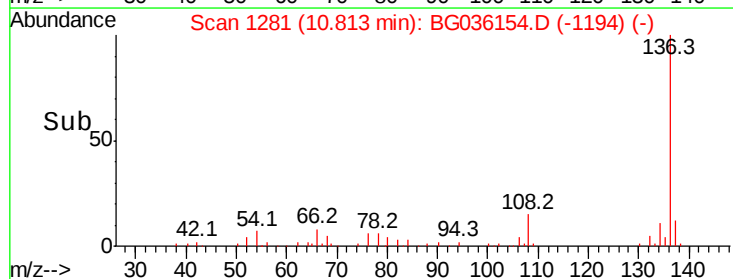
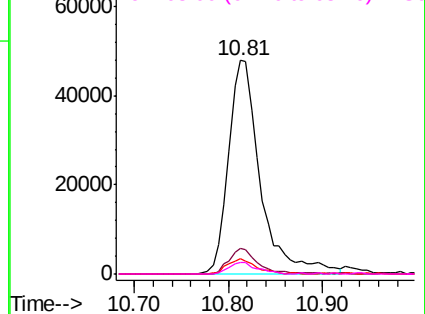
137 12.2 9.2 13.8

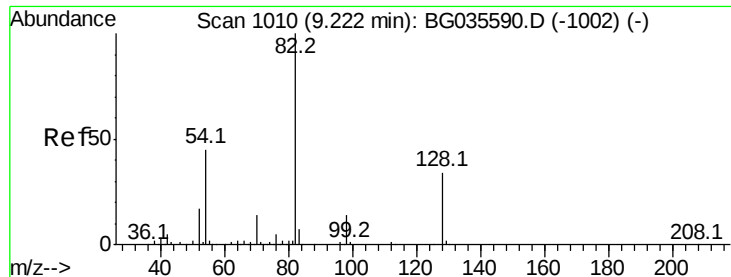
54 7.2 10.3 15.5#

68 5.1 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 107.779 ng

RT: 9.17 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

Instrument :

BNA_G

ClientSampleId :

SOIL-3

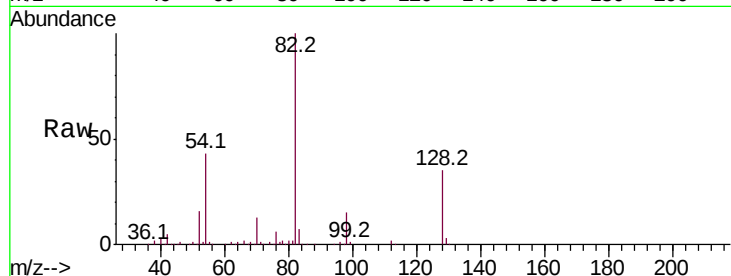
Tot Ion: 82 Resp: 291261

Ion Ratio Lower Upper

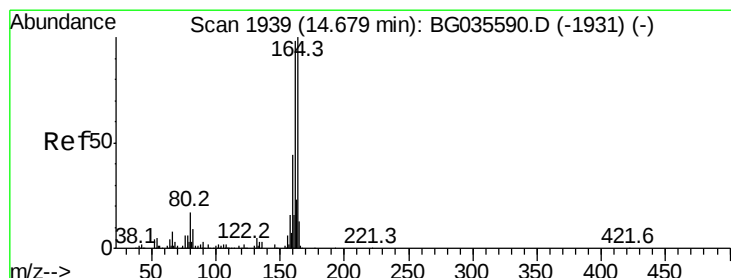
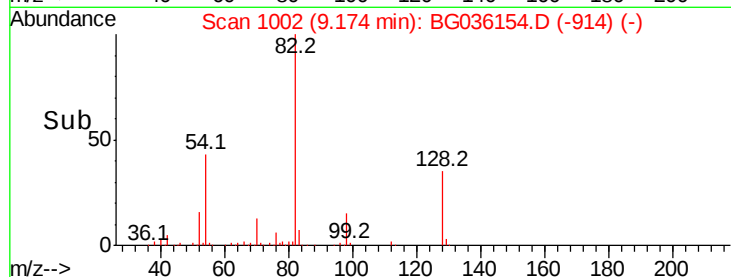
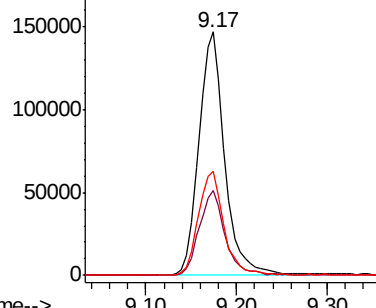
82 100

128 35.0 29.7 44.5

54 42.8 43.1 64.7#



Abundance Ion 82.00 (81.70 to 82.70): BGC
200000
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

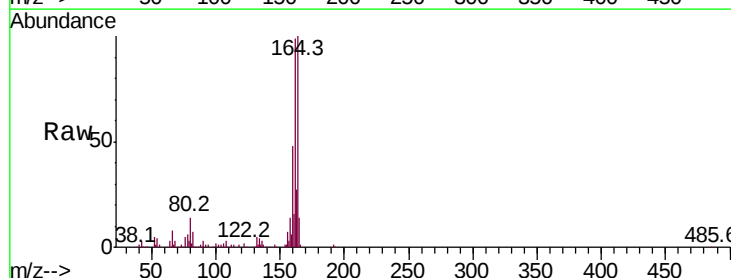
Tgt Ion:164 Resp: 83329

Ion Ratio Lower Upper

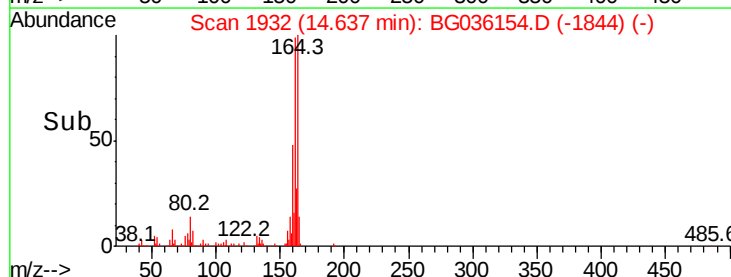
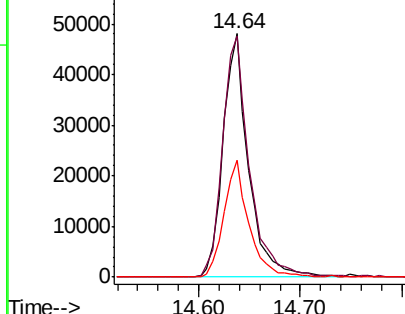
164 100

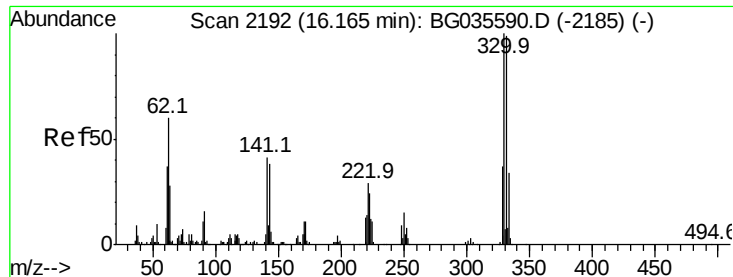
162 98.9 78.8 118.2

160 48.2 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
60000
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

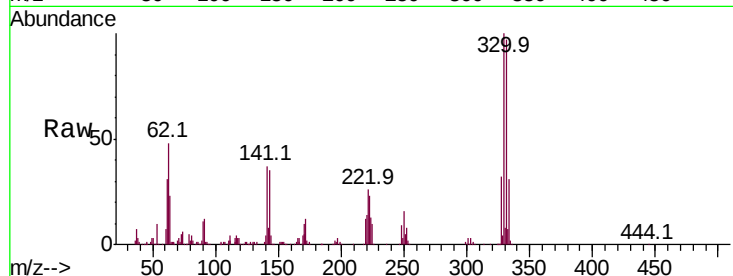




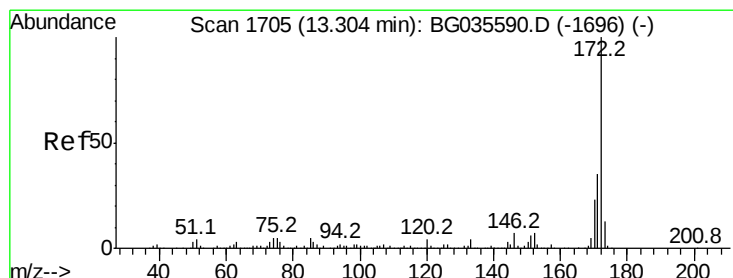
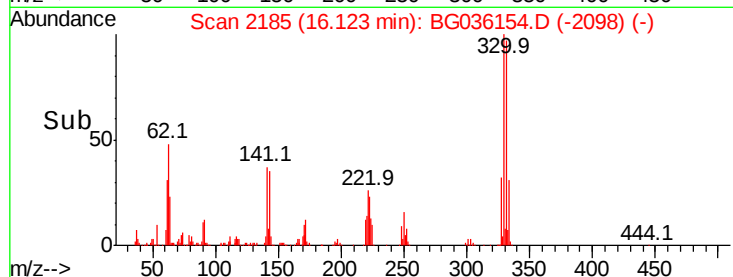
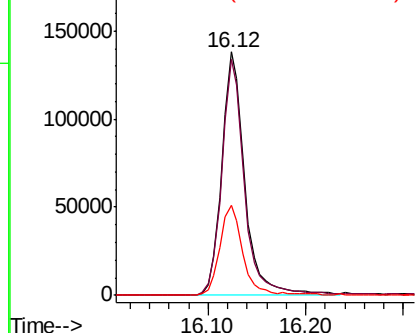
#41
 2,4,6-Tribromophenol
 Concen: 205.607 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.02 min
 Lab File: BG036154.D
 Acq: 7 Aug 2018 9:11

Instrument :
 BNA_G
 ClientSampled :
 SOIL-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	36.9	25.2	37.8

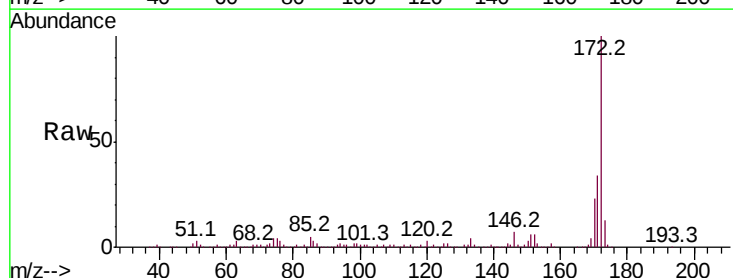


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

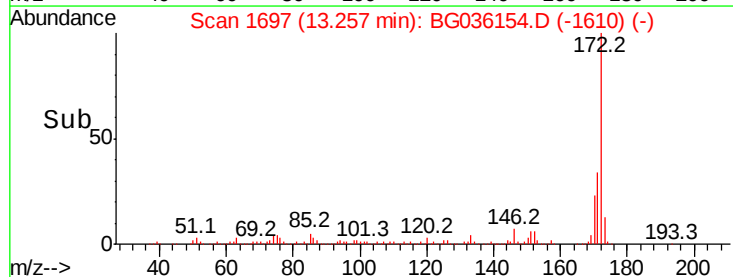
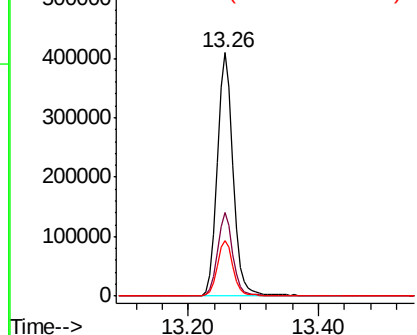


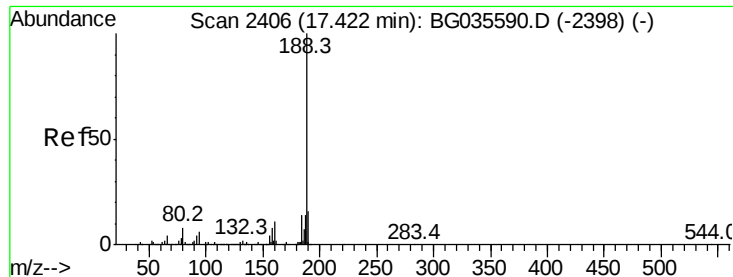
#44
 2-Fluorobiphenyl
 Concen: 111.104 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036154.D
 Acq: 7 Aug 2018 9:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.0	45.0
170	22.9	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

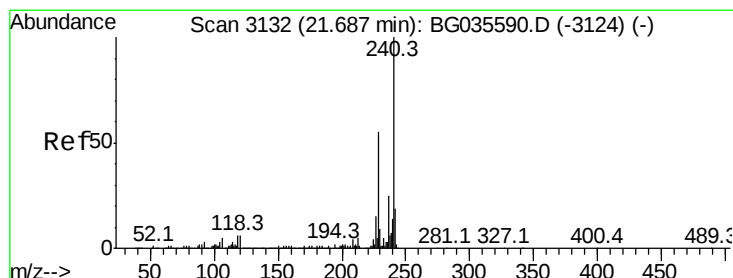
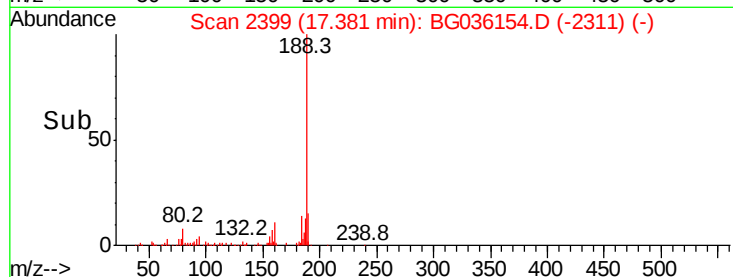
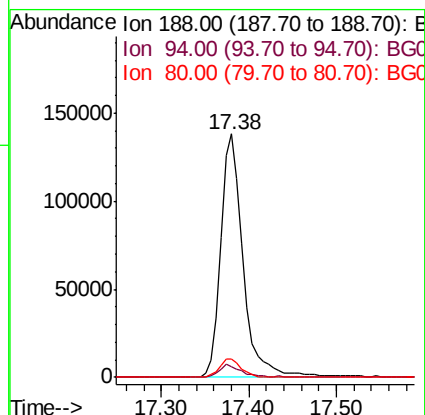
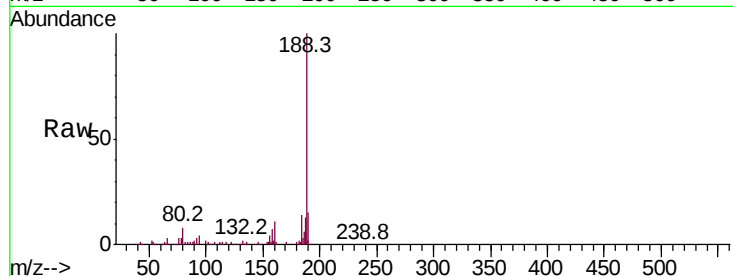




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BG036154.D
Acq: 7 Aug 2018 9:11

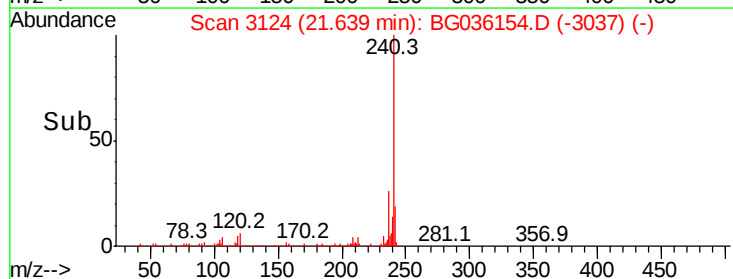
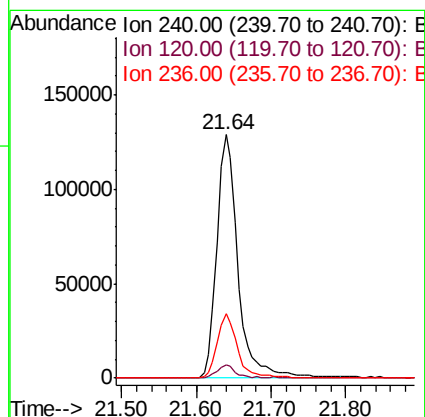
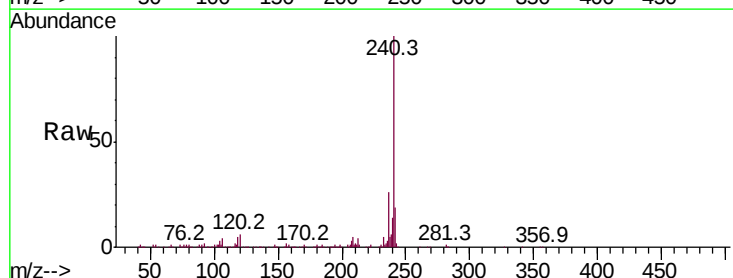
Instrument :
BNA_G
ClientSampleId :
SOIL-3

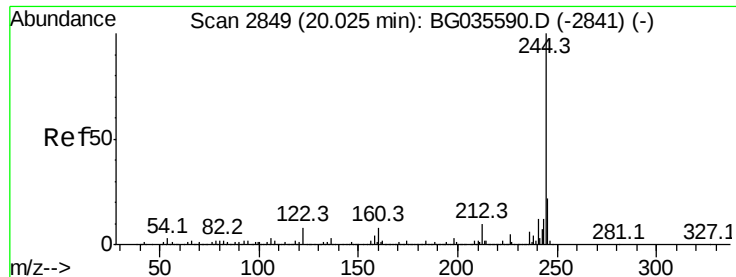
Tot Ion	Ratio	Lower	Upper
188	100		
94	4.4	6.9	10.3#
80	7.6	7.7	11.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BG036154.D
Acq: 7 Aug 2018 9:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	6.8	10.2#
236	26.3	20.9	31.3





#78

Terphenyl-d14

Concen: 119.360 ng

RT: 19.99 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

Instrument :

BNA_G

ClientSampled :

SOIL-3

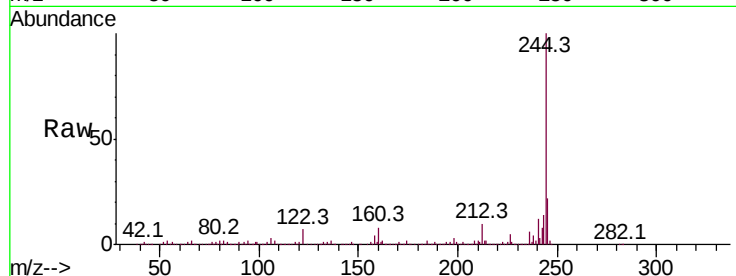
Tot Ion:244 Resp: 1374704

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

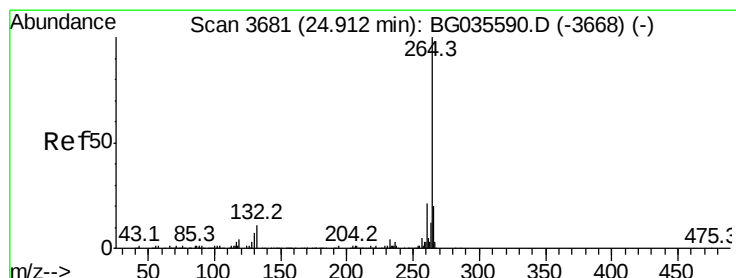
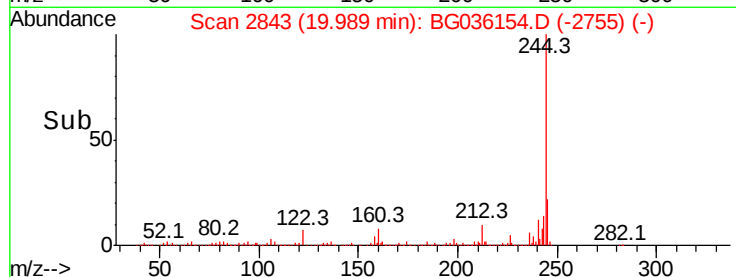
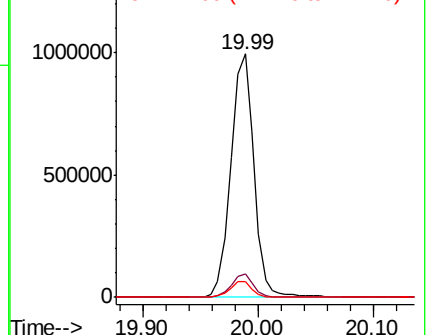
122 6.6 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3667

Delta R.T. -0.03 min

Lab File: BG036154.D

Acq: 7 Aug 2018 9:11

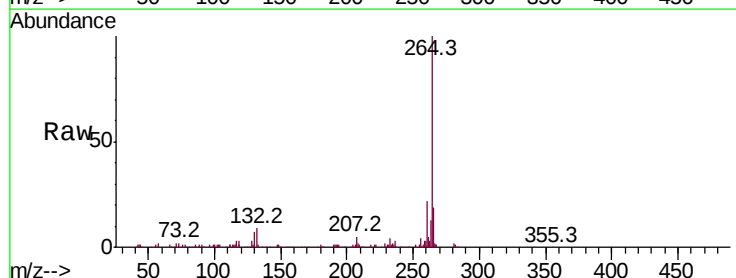
Tgt Ion:264 Resp: 229955

Ion Ratio Lower Upper

264 100

260 22.3 17.4 26.0

265 18.6 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

